

FROM : LITECONTROL C-S

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2003.10-21

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#647 P.01/05

FAX TO: Tom Tolsom

Katie Group, Inc.

5 pages total

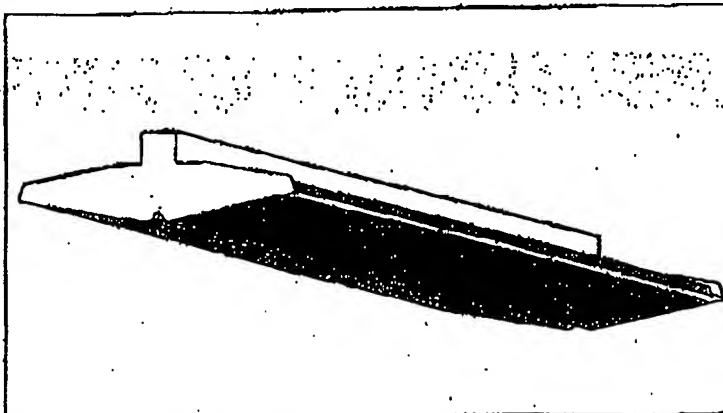
FINELITE

PRELIMINARY
PATENT PENDING

Series 15 - Technical Sheet

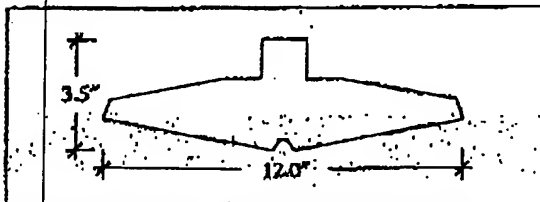
Finelite Series 15 represents an advancement in the art of indirect lighting. The slim, attractive profile delivers unsurpassed performance in low ceiling applications. Available in 1 or 2 T8, T5 or T5HO lamp cross sections, and 4' or 8' lengths.

Series 15 combines a unique open cavity, double diffuser optical design (Patent Pending) with 96% reflective white paint in order to maximize fixture efficiency and performance.



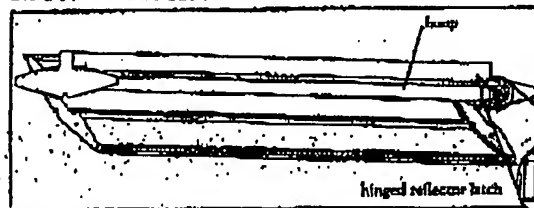
The unique optical design generates high performance in low ceiling areas.

DIMENSIONS



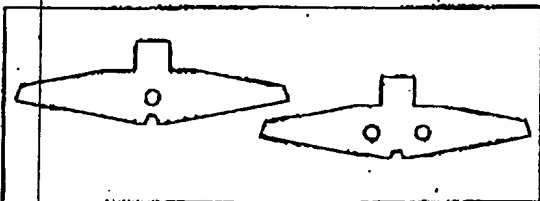
The height of the fixture body is 3.5", width 12.0".

REFLECTOR ASSEMBLY



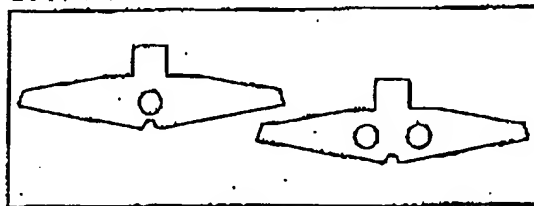
Special latch allows hinged reflector assembly to rotate or be removed for easy maintenance and lamp access.

T5 / T5HO LAMPS



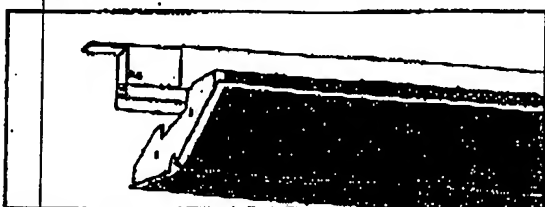
1 or 2 T5 or T5HO lamps.

T8 LAMPS



1 or 2 T8 lamps.

DIE-FORMED JOINER PLATE



Die-formed aligner plate comes factory installed for smooth joints. Plug-together wiring ensures electrical connections are right every time.

STRONG, TIGHT JOINTS



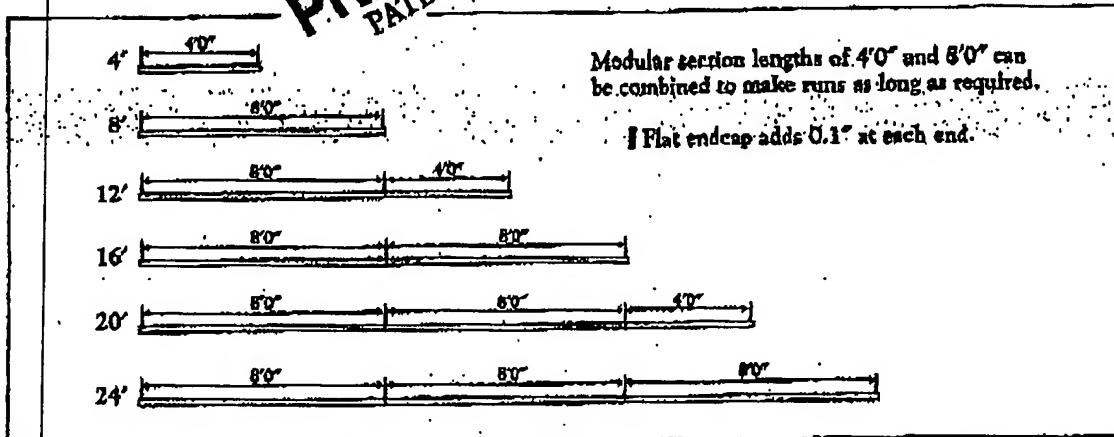
Fixtures slide together tightly and die-formed internal aligner plate ensures strong joints with no light leaks.

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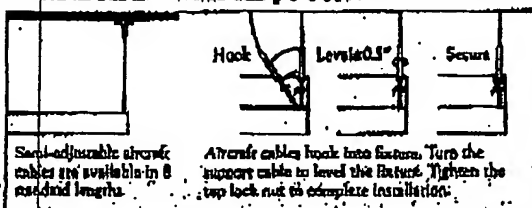
FINELITE

PRELIMINARY
PATENT PENDING

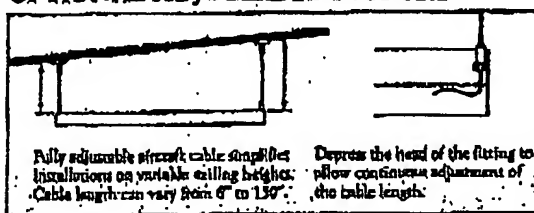
Series 15 - Technical Sheet



STANDARD SEMI-ADJUSTABLE SUPPORT



OPTIONAL ADJUSTABLE SUPPORT



SPECIFICATIONS

CONSTRUCTION: 18 gauge die-formed steel body. All components hard coated to tolerances of 0.003".

Die-formed 0.062" perforations cover the surface of the steel downlight shielding.

ENDCAPS: (FE) Flat Endcap standard, die-formed steel, painted to match fixture, adds 0.1" at each end. No exposed fasteners, holes or knockouts.

OPTICAL SYSTEM: Finelite innovation. Series 15 open cavity double diffuser optical system with 96% reflective white paint, patent pending.

REFLECTORS: (96W) Standard—96" White painted high reflectance reflectors.

ELECTRICAL: 120 or 277 volt prewired. Fixture and electrical components UL/C-UL listed and fixture will bear UL/C-UL label. Optional Adders: 347 volt prewired, dual circuit, emergency battery packs.

LAMPING: 1 or 2 T8, T5 or T5HO cross sections.

BALLAST: Electronic low profile instant start ballasts <10%THD standard. Optional Adders: Rapid Start, Dimming ballasts (controls by others), low profile emergency battery packs. Consult factory.

MOUNTING OPTIONS: Semi-adjustable chrome cable (AC) ± 0.5" in lengths of 3", 6", 9", 12", 15", 18", 21", 24", 27", 30", 36". Order length, e.g. AC 6". Optional Adders: Fully adjustable chrome cable (FA) in lengths up to 150". Optional Surface Mount also available. Consult Factory.

SUPPORT CABLES: Stainless steel with plated hardware.

FEEDS: 18 gauge straight cord, 14 gauge feed cord (used when fixture current exceeds 6 amps). Optional Adders: Coil Cord Feed.

FINISHES: Finelite brake white standard. (Note: this finish is 96% reflective.) 185 colors available from Tiger Drylac's RAL color chart for a nominal adder.

LENGTHS: 4' and 8' section lengths can be combined to make longer runs.

WEIGHT: Fixture weight - 2.0 lb/ft.

ORDERING INFORMATION

(2) - S15 - 32' - 1T5HO - 8C - 277 - AC 6"

Quantity

Finitelite Series 15

Run length (4', 8' multiples standard)

Number of lamps in cross section (1, 2 T8, T5, or T5HO)

Circuiting (SC-single circuit, DC-dual circuit)

Voltage (120, 277, 347 Volt)

Mounting (AC/FA)

FROM: ELITECONTROL C-S

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FINELITE

Series 15 Photometric Reports

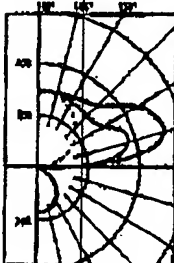
Product Photometry and lay files are also available online at www.finelite.com.
For layouts or additional photometry, contact your local representative or the factory.

S15: 1 T8



EFFICIENCY = 73.4%

80% Uplight
20% Downlight
(LSI Report 14059)



CANDLE DISTRIBUTION		FOOT	
0	0.0	22.5	45.9
1	1.0	15.0	30.0
2	2.0	10.0	20.0
3	3.0	7.5	15.0
4	4.0	6.0	12.0
5	5.0	5.0	10.0
6	6.0	4.5	9.0
7	7.0	4.0	8.0
8	8.0	3.5	7.0
9	9.0	3.0	6.0
10	10.0	2.5	5.0
11	11.0	2.0	4.0
12	12.0	1.5	3.0
13	13.0	1.0	2.0
14	14.0	0.5	1.0
15	15.0	0.0	0.0



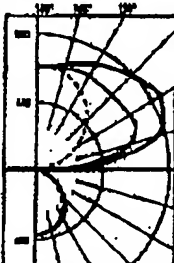
TOTAL LUMEN SUMMARY		FOOT	
0-30	729	4.33	8.66
0-40	210	7.82	15.64
0-50	292	11.89	23.78
0-60	322	14.41	28.82
0-70	321	7.39	14.77
0-80	318	2.61	5.22
0-90	1788	51.96	103.92
0-100	1788	73.13	146.26

S15: 2 T8



EFFICIENCY = 71.2%

76% Uplight
24% Downlight
(LSI Report 14059)



CANDLE DISTRIBUTION		FOOT	
0	0.0	22.5	45.9
1	1.0	15.0	30.0
2	2.0	10.0	20.0
3	3.0	7.5	15.0
4	4.0	6.0	12.0
5	5.0	5.0	10.0
6	6.0	4.5	9.0
7	7.0	4.0	8.0
8	8.0	3.5	7.0
9	9.0	3.0	6.0
10	10.0	2.5	5.0
11	11.0	2.0	4.0
12	12.0	1.5	3.0
13	13.0	1.0	2.0
14	14.0	0.5	1.0
15	15.0	0.0	0.0



TOTAL LUMEN SUMMARY		FOOT	
0-30	213	4.88	9.76
0-40	474	7.80	15.60
0-50	794	13.23	26.46
0-60	884	16.00	32.00
0-70	437	8.12	16.24
0-80	168	3.77	7.54
0-90	1113	53.21	106.41
0-100	4214	71.24	142.48

S15: 1 T5HO



EFFICIENCY = 81.9%

75% Uplight
25% Downlight
(LSI Report 14100)



CANDLE DISTRIBUTION		FOOT	
0	0.0	21.5	43.0
1	1.0	14.0	28.0
2	2.0	9.0	18.0
3	3.0	6.0	12.0
4	4.0	4.0	8.0
5	5.0	3.0	6.0
6	6.0	2.0	4.0
7	7.0	1.0	2.0
8	8.0	0.0	0.0
9	9.0	0.0	0.0
10	10.0	0.0	0.0
11	11.0	0.0	0.0
12	12.0	0.0	0.0
13	13.0	0.0	0.0
14	14.0	0.0	0.0
15	15.0	0.0	0.0



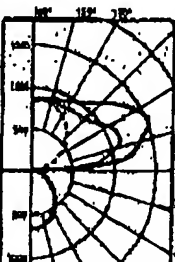
TOTAL LUMEN SUMMARY		FOOT	
0-30	260	4.23	8.46
0-40	440	8.46	16.92
0-50	741	14.41	28.82
0-60	818	25.44	50.88
0-70	476	14.41	28.82
0-80	178	3.66	7.32
0-90	1788	51.96	103.92
0-100	1788	61.38	122.76

S15: 2 T5HO



EFFICIENCY = 77.6%

76% Uplight
24% Downlight
(LSI Report 14100)



CANDLE DISTRIBUTION		FOOT	
0	0.0	21.5	43.0
1	1.0	14.0	28.0
2	2.0	9.0	18.0
3	3.0	6.0	12.0
4	4.0	4.0	8.0
5	5.0	3.0	6.0
6	6.0	2.0	4.0
7	7.0	1.0	2.0
8	8.0	0.0	0.0
9	9.0	0.0	0.0
10	10.0	0.0	0.0
11	11.0	0.0	0.0
12	12.0	0.0	0.0
13	13.0	0.0	0.0
14	14.0	0.0	0.0
15	15.0	0.0	0.0



TOTAL LUMEN SUMMARY		FOOT	
0-30	213	4.88	9.76
0-40	474	7.80	15.60
0-50	794	13.23	26.46
0-60	884	16.00	32.00
0-70	437	8.12	16.24
0-80	168	3.77	7.54
0-90	1113	53.21	106.41
0-100	4214	71.24	142.48

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from FINELITE 1001A

Series 16
 Photometric Template
 6" Suspension Comparison

100' x 40' Rooms / 80/50/20 Reflectances / 36' Rows									
Fixture	Ceiling Height	Suspension	Row Spacing	Uniformity	FC Avg.	Min.	Max.	Lumens/Lamp	IES #
1T8 (.88)	8'	6"	10'	6.6	35.1	26.7	41.4	2850	180561
1T8 (1.18)	8'	6"	10'	6.6	47.2	35.9	55.8	2850	180561
1T5HO	8'	6"	10'	5.1	71	53.8	84.5	4500	180331
2T8 (.88)	8'	6"	10'	6.8	72.1	54.3	85.9	2850	180571
2T8 (1.18)	8'	6"	10'	6.8	97.1	73.1	115.7	2850	180571
2T5HO	8'	6"	10'	6.3	118	88	141	4500	180321
1T8 (.88)	8'	6"	12'	8.7	29.7	21.6	37.8	2850	180561
1T8 (1.18)	8'	6"	12'	8.7	40	29	50.6	2850	180561
1T5HO	8'	6"	12'	6.8	56.7	43	78.2	4500	180331
2T8 (.88)	8'	6"	12'	8.7	61.3	43.9	78.4	2850	180571
2T8 (1.18)	8'	6"	12'	8.7	82.5	59.2	105.6	2850	180571
2T5HO	8'	6"	12'	8.2	99.8	71.1	128.1	4500	180321
1T8 (.88)	8'	6"	16'	12.7	22	14	30.8	2850	180561
1T8 (1.18)	8'	6"	16'	12.7	29.6	18.8	41.5	2850	180561
1T5HO	8'	6"	16'	10.1	44.4	27.7	63.4	4500	180331
2T8 (.88)	8'	6"	16'	12.4	45.2	28.2	84.3	2850	180571
2T8 (1.18)	8'	6"	16'	12.4	60.9	37.9	88.8	2850	180571
2T5HO	8'	6"	16'	12	74.1	45.8	106.2	4500	180321

NOTE: If 3,050 Lumen T8 Lamps are used, footcandle average will increase by 7%.
 Example: 1T8 (.88), 8' Ceiling Height, 10' Row Spacing, 6" Suspension w/ 3,050 Lumen Lamps = 37 Footcandles.
 1T8 (1.18), 8' Ceiling Height, 10' Row Spacing, 6" Suspension w/ 3,050 Lumen Lamps = 51 Footcandles.

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FROM ILITECONTROL C-5

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Series 15
Photometric Template
3" Suspension Comparison
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Fixture	Ceiling Height	Suspension	Row Spacing	Uniformity	FC Avg.	Max.	Min.	Lumen/Lamp	IES #
118 (.88)	8'	3"	10'	5.9	34.5	41.1	28.2	2850	18056T
118 (1.18)	8'	3"	10'	5.9	45.6	55.3	35.2	2850	18056T
218 (.88)	8'	3"	10'	4.8	71.2	84.9	53.6	2850	18057T
218 (1.18)	8'	3"	10'	4.8	85.9	114.4	72.1	2850	18057T
118 HO	8'	3"	10'	4.9	70.1	83.8	52.8	4500	18033T
218 HO	8'	3"	10'	5.1	117	140	88	4500	18032T
118 (.88)	8'	3"	12'	7.3	30.1	38	21.7	2850	18058T
118 (1.18)	8'	3"	12'	7.3	40.5	51.2	29.2	2850	18058T
218 (.88)	8'	3"	12'	5.9	61.9	78.8	44.4	2850	18057T
218 (1.18)	8'	3"	12'	5.9	83.4	106.1	59.8	2850	18057T
118 HO	8'	3"	12'	8.1	60.2	76.9	43.2	4500	18033T
218 HO	8'	3"	12'	8.3	101	129	72	4500	18032T
118 (.88)	8'	3"	16'	9.86	21.7	30.6	19.6	2850	18056T
118 (1.18)	8'	3"	16'	8.9	29.3	41.2	18.4	2850	18056T
218 (.88)	8'	3"	16'	7.3	44.6	63.7	27.5	2850	18057T
218 (1.18)	8'	3"	16'	7.3	60.1	85.8	37.1	2850	18057T
118 HO	8'	3"	16'	8.3	49.9	63	27	4500	18033T
218 HO	8'	3"	16'	8.4	73.1	105.3	44.8	4500	18032T

NOTE: If 3,050 Lumen 18 Lamps are used, footcandle average will increase by 7%.
Example: 118 (.88), 8' Ceiling Height, 10' Row Spacing, 3" Suspension w/ 3,050 Lumen Lamps = 37 Footcandles.
118 (1.18), 8' Ceiling Height, 10' Row Spacing, 3" Suspension w/ 3,050 Lumen Lamps = 50 Footcandles.